

Preparing to Use Natural Connection

This section describes the tasks that must be accomplished to allow download and upload:

- Displaying Work File and Printer Settings
- Defining Work Files and Printers
- Activating the PC Connection
- Deactivating the PC Connection

In order to download and upload data, a work file must be designated as a PC file.

To download reports, a printer must be designated as a PC printer.

Displaying Work File and Printer Settings

To display your current work file and printer settings, enter the Natural system command SYSTP at the NEXT prompt.

This invokes the SYSTP utility and a screen similar to the following appears:

| | | | | | | | | |
|---|----------|-----------------------------------|-------|-------|-------|----------------------------|--------------|----------------------|
| 11:07:18 | | ***** NATURAL SYSTP UTILITY ***** | | | | | 2003-01-21 | |
| User SAG | | - Work File Information - | | | | | TID DAEFTCI7 | |
| M No. | Type | Name | Recfm | Lrecl | Blksz | Status | | |
| ----- | | | | | | | | |
| 1 | COMPLETE | CMWKF01 | VB | | 4628 | Available for Input/Output | | |
| 2 | COMPLETE | CMWKF02 | VB | | 4628 | Available for Input/Output | | |
| 3 | COMPLETE | CMWKF03 | VB | | 4628 | Available for Input/Output | | |
| 4 | COMPLETE | CMWKF04 | VB | | 4628 | Available for Input/Output | | |
| 5 | PC | | VB | | 4628 | Available for Input/Output | | |
| 6 | PC | | VB | | 4628 | Available for Input/Output | | |
| 7 | PC | | VB | | 4628 | Available for Input/Output | | |
| | | | | | | | | |
| Top of List | | | | | | | | |
| Command ==> | | | | | | | | |
| Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12--- | | | | | | | | |
| Cont | Help | Menu | Exit | Sel | Pos | -- | - | + ++ Print Work Canc |

The standard procedure is for files 5, 6 and 7 to be the PC file (labeled PC).

For more information, see SYSTP Utility the section Debugging and Monitoring.

Defining Work Files and Printers

You can define work files and printers statically in your Natural parameter module, or dynamically when invoking Natural.

Remember, however, that the download and upload modules provided by Natural Connection use Work File 7. If you wish to use another work file number, you must also edit the source code of the download and upload modules.

- Use the NETWORK macro or WORK parameter for work file definitions.
- Use the NTPRINT macro or PRINT parameter for printer definitions.

For detailed information on these macros and parameters, see the Natural Parameter Reference documentation.

Activating the PC Connection

To upload and download data to/from a PC, the PC connection must be active. You activate the PC connection from the mainframe.

To activate the PC connection

- Use the Natural terminal command %+.
Or invoke Natural with the dynamic parameter PC=ON.
Or use the SET CONTROL ' + ' statement in a Natural program.

With the terminal command %+ you can additionally set one or both of the following options:

| Option | Description |
|--------|--|
| %+N | The PC connection is activated. In addition, no field names are sent when downloading or uploading data. |

If you attempt to upload or download data without the PC connection being activated, the following message appears:

```
NAT1173 PC CONNECTION NOT ACTIVE
```

If you enter %+ and the PC connection is already active, the following message appears:

```
NAT1172 PC CONNECTION ALREADY ACTIVE
```

Deactivating the PC Connection



To deactivate the PC connection

- Use the Natural terminal command %-.
Or use the SET CONTROL ' - ' statement in a Natural program.